```
logo

NTDB id 1079472 ACKN8U RS17530 WP 031820918.1  MNKALVLSLISIAGMSPASQASQVLNGYWAYQEFLNEFPEQKHLTDALAAAVRDDPVPIAPEKRHPLKISVVYPGQQISD   80
NTDB id 1163 A1552VC RS18030 WP 000823678.1    MKRKLISPLFLIAALFSSTGQADSLKGYWHYDEFLAEFPEQRPISELFAQTVRDKPSALTVAQEQPVIISVVYPGQQISD   80
consensus                                      ! * !* *!  !!** * *    ! !!!*! !!! !!!!!* ***  !  !!! ! ** *   *!* !!!!!!!!!!!

logo

NTDB id 1079472 ACKN8U RS17530 WP 031820918.1  YWIRNIDAFEKRLDKLNIDYQINQVFTRPNADIKQQSLSLMEALKSNSDYLIFTLDTTRHRKFVEHVLDSTKTKLILQNI  160
NTDB id 1163 A1552VC RS18030 WP 000823678.1    YWVRNIKAFEKRMDALGIRYQINQVFTRPNLDTRQQSVSLMEALKNKSDYLIFTLDTTRHRKFIEHVLHSSETKLILQNI  160
consensus                                      !!*!!! !!!!!*! ! ! !!!!!!!!!!! ! *!!!*!!!!!!!  !!!!!!!!!!!!!!!!!*!!!!*!* !!!!!!!!

logo

NTDB id 1079472 ACKN8U RS17530 WP 031820918.1  TTPVREWETRQPFMYVGFDHAEGSRELAVEFGKLFPKNTHYSVLYFSEGYISDIRGNTFIHQVNQDSQFELQSAYYTKAT  240
NTDB id 1163 A1552VC RS18030 WP 000823678.1    TTPVKDWQGKQPMMYIGFDHEYGAQLLAQYYQAHA.PKKPYSVLYFSEGYISEARGDTFIQDMNAVHHFPLASSYYTKAT  239
consensus                                      !!!!**!  *!! !!*!!!!  !   !!  *  * **   !!!!!!!!!!!!* !! !!!* *!  **!*! ! !!!!!!

logo

NTDB id 1079472 ACKN8U RS17530 WP 031820918.1  KQSGYEAAKASLKKYPDVEFIYACSTDVALGAVEALSELGREDVMINGWGGGSAELDAILKGELDITVMRMNDDTGIAMA  320
NTDB id 1163 A1552VC RS18030 WP 000823678.1    EQSGYEATLNIVKNNPEIGFIYACATDVALGAAQALKELNRQDILVNGWGGGSAELEALAKGELDVTVMRMNDDTGVAMA  319
consensus                                       !!!!!!    *!  !** !!!!! !!!!!!!  !! !! ! !***!!!!!!!!!!!*!* !!!!!*!!!!!!!!!!!*!!!

logo

NTDB id 1079472 ACKN8U RS17530 WP 031820918.1  EAIKWDLEGKPVPTVYSGDFEVVTKSDSPERIEALRKRAFRYSDN   365
NTDB id 1163 A1552VC RS18030 WP 000823678.1    EAIKWDLEGKSVPLVYSGDFEVVTKQDSAARIAELKARAFRYSDR   364
consensus                                      !!!!!!!!!!*!! !!!!!!!!!!! !!* !!  !* !!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved